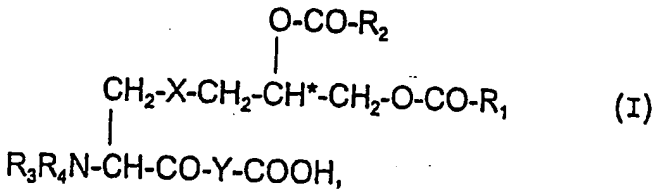
IN THE CLAIMS:

Please amend claims 3-5 and 7-11, as follows:

1. (Original) The use of a lipopeptide or lipoprotein of the structure (I)



(I)

Where

R_1 and R_2, which may be identical or different, are C_{7-25}-alkyl, C_{7-25}-alkenyl or C_{7-25}-alkynyl,

X is S, O or CH_2,

R_3 and R_4 are independently of one another H or methyl and

Y is a physiologically tolerated amino acid sequence which consists of 1 to 25, preferably 12 to 25, amino acid residues and is not immunogenic per se in the species used,

and the asymmetric cargbon atom marked with * as the absolute R configuration, according tot he Cahn-Inhold-Prelog rule, when X is S (sulfur),

as mucosal adjuvant in therapeutic or prophylactic vaccination via the mucous membranes.

2. (Original) The use as claimed in claim 1, characterized in that the amino acid sequence Y is preferably selected from.

A) GQTNT

b) SKKKK

c) GNNDESNISFKEK

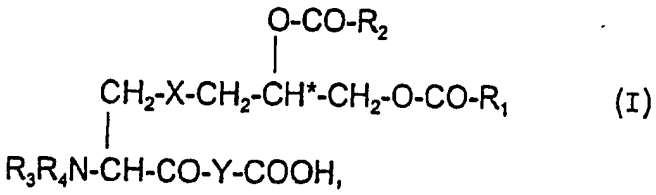
d) GQTDNNSSQSAAPGSGTTNT.

3. (Currently Amended) The use as claimed in claim 1 ~~or 2~~, characterized in that the lipoprotein or lipopeptide of structure (I) is an S-[2, 3-bispalmitoyloxy(2R)propyl]cysteinyl-peptide, where the peptide is a physiologically tolerated amino acid sequence which consists of 12 to 25 amino acid residues and is preferably not immunogenic in the species used.

4. (Currently Amended) The use as claimed in ~~any of claims 1 to 3,~~ claim 1, characterized in that the mucosal adjuvant is present in a preparation with the actual vaccine component which is intended for intranasal, intra-NALT, aerosolized oral, intrarectal, conjunctival, intravaginal or intraurethral administration or administration into the milk ducts of the female breast.

5. (Currently Amended) The use as claimed in ~~any of claims 1 to 3,~~ claim 1, characterized in that the mucosal adjuvant is present in a kit for coadministration with a vaccine into the milk ducts of the female breast, by the intranasal, intra-NALT, aerosolized oral, intrarectal, conjunctival, intravaginal or intraurethral route.

6. (Original) The use of a lipopeptide or lipoprotein of the general structure (I)



(I)

Where R_1 and R_2, which may be identical or different, are C_{7-25}-alkyl, C_{7-25}-alkenyl or C_{7-25}-alkynyl, X is S, O or CH_2,
R_3 and R_4 are independently of one another H or methyl and Y is a physiologically tolerated amino acid sequence which consists of 1 to 25, preferably 12 to 25, amino

acid residues and is not immunogenic per se in the species used, and the asymmetric carbon atom market with * as the absolute R configuration, according to the Cahn-Ingold-Prelog rule, when X is S (sulfur), excepting an S-(2,3-diacyloxypropyl)cysteinpeptide of the sequence DhcGNNDESNISFKEK, where N-terminally the amino acids at positions 2 and, where appropriate, 3 are absent, and/or C-terminally 1 to 2 amino acids may be deleted, as adjuvant in a non-mucosal vaccination.

7. (Currently Amended) The use as claimed in ~~any of claims 1 to 6,~~ claim 1, characterized in that the lipopeptide or lipoprotein is present in a preparation with at least one further adjuvant and/or antigen.

8. (Currently Amended) The use as claimed in ~~any of claims 1 to 7,~~ claim 1, characterized in that the lipopeptide or lipoprotein is associated or combined with a physical or biological carrier.

9. (Currently Amended) The use as claimed in ~~any of claims 1 to 8,~~ claim 1, characterized in that the lipopeptide or lipoprotein is administered together with one or more anti-inflammatory, antiangiogenic, cytotoxic or immunomodulatory substances or ligands or with antibodies, or is present with these in a preparation.

10. (Currently Amended) The use as claimed in ~~any of claims 1 to 9,~~ claim 1, characterized in that the lipopeptide or lipoprotein is present in a preparation which comprises further additives and excipients, in particular preservatives or stabilizers.

11. (Currently Amended) (Currently Amended) The use as claimed in ~~any of claims 1 to 10,~~ claim 1, characterized in that the vaccine which is accompanied by the adjuvant, in the form of peptides, proteins, DNA, polysaccharides, glycolipids or glucoproteins.